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# SOLID-STATE ELECTRONICS

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## AIMS AND SCOPE

It is the function of this Journal to bring together in one publication outstanding papers reporting original work in the following areas: (1) applications of solid-state physics in such fields as transistor technology, including theory and design, crystal growth, measurement and evaluation, preparation of junctions and measurement techniques; (2) applications of computer and numerical methods to the modeling of and simulation of solid-state devices; (3) physics and design of ultra-small (submicron) microelectronic devices (VLSI), including methods of processing, measurement and evaluation. Also of interest are applications of intermetallic and binary and ternary semiconductors, the design and performance of power semiconductor devices, solar cells, photoconductors, thermoelectric and ferroelectric devices, galvanomagnetic devices, and electroluminescent devices, including semiconductor lasers. Of particular interest are solid-state optical devices for storage and transfer of information. Papers covering novel topics extending the frontiers of solid-state technology are of course invited. Review papers covering important topics in solid-state electronics will be presented at intervals. Papers will be published in the formats of regular Research Papers, Notes, and Letters to the Editor.

It is expected that, because of its international scope and because it emphasizes the association of theory and practice, the Journal will promote further progress in the ever-widening borderland between solid-state physics and circuit engineering.

## LIST OF CONTENTS

### NUMBER 1

CAROLYNE M. VAN VLIET: A survey of results and future prospects on quantum $1/f$ noise and $1/f$ noise in general .....	1
F. HOFMAN, R. J. J. ZULSTRA, J. M. BETTENCOURT DE FREITAS and J. C. M. HENNING: Generation-recombination noise in $\text{Al}_x\text{Ga}_{1-x}\text{As}$ .....	23
THOMAS LACKNER: Avalanche multiplication in semiconductors: a modification of Chynoweth's law .....	33
XIUMIAO ZHANG: The non-steady-state bulk generation effect on the $C-t$ transients in an MIS device under linear voltage sweep.....	43
S. BOTHRA, S. TYAGI, S. K. GHANDHI and J. M. BORREGO: Surface recombination velocity and lifetime in InP .....	47
M. O. ABOELFOTOH: Temperature dependence of the Schottky-barrier height of tungsten on <i>n</i> -type and <i>p</i> -type silicon .....	51
CHRISTIAN SCHMEISER and HERBERT STEINRÜCK: A new approach to the modeling of <i>pnpn</i> structures .....	57
P. A. RAIKERUS and V. A. GURTOV: Depolarization of MNOS structures in the regime of dispersion transport .....	63
K. GIRARDINI and S. E. JACOBSEN: Optimization and numerical models of silicon solar cells .....	69
M. CONTI, C. TURCHETTI and G. MASETTI: A new methodology to produce accurate empirical models for VLSI MOSFETs .....	79
A. S. SHNITNIKOV and N. I. PHILATOV: Microwave limiter diode performance analyzed by mathematical modeling .....	91
GHEORGHE BREZEANU and PETRU ALEXANDRU DAN: Modelling of gradual interface intimate silicide/silicon Schottky contacts .....	99
<i>Note</i>	
Y. K. SU, C. J. HUANG, R. L. LEU and F. M. PAN: Compositional and electrical properties of InSb MOS structure .....	107
<i>Call for Papers</i> .....	I
SOFTWARE SURVEY SECTION .....	III

### NUMBER 2

B. K. RIDLEY: Charged-impurity scattering in GaInAs FETs .....	111
--	-----

Y. JIN: Ohmic contact to <i>n</i> -type bulk and $\delta$ doped $\text{Al}_{0.3}\text{Ga}_{0.7}\text{As}/\text{GaAs}$ MODFET type heterostructures and its applications .....	117
B. K. IP, K. C. KAO and D. J. THOMSON: Charges and defects in $\text{SiO}_2$ films deposited by plasma-enhanced chemical vapor deposition at low temperatures .....	123
C. L. LIANG, N. W. CHEUNG, R. N. SATO, M. SOKOLICH and N. A. DOUDOUМОPOULOS: A diffusion model of subthreshold current for GaAs MESFETs.....	131
KEN OKANO, HIDEO KIYOTA, TATSUYA IWASAKI, YOSHITAKA NAKAMURA, YUKIO AKIBA, TATEKI KUROSU, MASAMORI IIDA and TERUTARO NAKAMURA: Fabrication of a diamond <i>p-n</i> junction diode using the chemical vapour deposition technique.....	139
J. DOUTRELOIGNE, J. DE BAETS, I. DE RYCKE, H. DE SMET, A. VAN CALSTER and J. VANFLETEREN: The electrical performance of a complementary CdSe:In/Ge:Cu thin film transistor technology for flat panel displays.....	143
C. KIDNER, I. MEHDI, J. R. EAST and G. I. HADDAD: Bias circuit instabilities and their effect on the d.c. current-voltage characteristics of double-barrier resonant tunneling diodes	149
A. E. RAKHSHANI: Theoretical approach to the effect of impurity conduction on thermostimulated conductivity in semi-insulating materials .....	157
WEN-CHAU LIU: Three-terminal voltage-controlled GaAs quantum well switching device	163
ANDREI P. SILARD and MIRON J. DUȚĂ: Revised theory of linearly-graded silicon junctions: an analytical approach .....	167
MOHAMED EL-SAYED and HISHAM HADDARA: Study of interface trap properties in MOSFETs using split-current measurements.....	173
G. Q. LO, A. W. CHEUNG, D. L. KWONG and N. S. ALVI: Polarity asymmetry of electrical characteristics of thin nitrided polyoxides prepared by <i>in-situ</i> multiple rapid thermal processing .....	181
ZEYNEP ÇELIK-BUTLER, WIYI YANG, HOANG H. HOANG and WILLIAM R. HUNTER: Characterization of electromigration parameters in VLSI metallizations by $1/f$ noise measurements .....	185
M. T. WU, Y. K. FANG, J. W. HONG and C. Y. CHANG: Hydrogenated amorphous Si/SiC superlattice phototransistors .....	189
MUNECAZU TACANO, TOSHIHIKO KANAYAMA and YOSHINOBU SUGIYAMA: $1/f$ noise in quarter-micron filaments of GaAs and InP made by focused ion-beam implantation ....	193
G. J. L. OUWERLING: A problem-specific inverse method for two-dimensional doping profile determination from capacitance-voltage measurements .....	197
<i>Notes</i>	
VINCENT W. L. CHIN, JOHN W. V. STOREY and MARTIN A. GREEN: A note on current-voltage measurements of <i>n</i> -type and <i>p</i> -type $\text{Pd}_2\text{Si}$ Schottky diodes.....	215
B. D. LIU and H. Y. SUN: Thin oxide growth by intermediate annealing process .....	217
K. McCARTHY, C. LYDEN and W. M. KELLY: Improved GaAs MESFET simulation using an enhanced Schottky barrier model.....	220

R. L. WANG, Y. K. SU and Y. H. WANG: A novel GaAs delta-doping induced triangle-like double-barrier tunneling diode .....	223
---	-----

SOFTWARE SURVEY SECTION .....	I
-------------------------------	---

## NUMBER 3

Z. J. LI, X. B. CHEN and H. Q. YU: Analysis of thermal characteristics of VDMOS power transistors .....	225
---	-----

PETER GEORGE, PING K. KO and CHENMING HU: The influence of substrate compensation on inter-electrode leakage and back-gating in GaAs MESFETs .....	233
--	-----

D. G. LIU, T. C. CHIN, C. P. LEE and H. L. HWANG: Analysis of several high-electron-mobility-transistor structures by a self-consistent method.....	253
---	-----

YISONG DAI and HEXIN CHEN: Current noise due to generation and recombination of carriers in forward-biased <i>p-n</i> junctions.....	259
--	-----

Z. DJURIC and J. PIOTROWSKI: Dember IR photodetectors.....	265
--	-----

QUAT T. VU, E. KOLAWA and M.-A. NICOLET: Structural and electrical evolution of the Al/RuO <sub>2</sub> interface upon thermal annealing.....	271
---	-----

QUAT T. VU, E. KOLAWA, L. HALPERIN and M.-A. NICOLET: Specific contact resistance extraction from four-point-probe measurements on multilayered film structures.....	279
--	-----

Z. Q. SHI and W. A. ANDERSON: MIS diodes on <i>n</i> -InP having an improved interface ..	285
---	-----

R. RAMASWAMI and H. C. LIN: Simulation of time-dependent tunneling characteristics of MOS structures .....	291
--	-----

H.-M. REIN and M. SCHRÖTER: Experimental determination of the internal base sheet resistance of bipolar transistors under forward-bias conditions.....	301
--	-----

K. INIEWSKI and C. A. T. SALAMA: A new approach to CV profiling with sub-Debye-length resolution.....	309
---	-----

B. MAZHARI, G. B. GAO and H. MORKOÇ: Collector-emitter offset voltage in heterojunction bipolar transistors.....	315
--	-----

*Note*

Z. T. KUZNICKI: Universal electric field distribution in the limited P-N junction .....	323
---	-----

*Announcement of Special Issue on Measurements*

SOFTWARE SURVEY SECTION	II
-------------------------	----

## NUMBER 4

ZHI-HAO FANG, ALAIN CHOVENT, QIU-PING ZHU and JIANG-NAN ZHAO: Theory and applications of 1/f trapping noise in MOSFETs for the whole biasing ranges.....	327
--	-----

KAZUSHIGE HORIO, KAZUHIRO ASADA and HISAYOSHI YANAI: Two-dimensional simulation of GaAs MESFETs with deep acceptors in the semi-insulating substrate .....	335
--	-----

EDMUND P. BURTE, GÜNTHER H. SCHULZE and WERNER TURSKY: The effect of an interfacial layer on the blocking behaviour of mesa high-voltage power devices passivated by semi-insulating polycrystalline silicon films.....	345
CHUNG-YU WU and TAIN SHUN WU: New physical timing models of bipolar non-saturation logic using current-domain analysis technique.....	351
P. CHATTOPADHYAY and KRISHNA DAS: Control of barrier height of MIS tunnel diodes using deep level impurities.....	367
SHENG-LYANG JANG: On the theory of the surface photovoltage technique based on the flat quasi-Fermi level approximation.....	373
D. SHULMAN and L. YOUNG: AC sidegating through semi-insulating gallium arsenide	379
W. TING, P. C. LI, G. Q. LO, J. LEE and D. L. KWONG: Metal-oxide-semiconductor characteristics of rapid thermal processed chemical vapor deposited SiO <sub>2</sub> gate dielectrics	385
NEIL GOLDSMAN, LINDOR HENRICKSON and JEFFREY FREY: A physics-based analytical/numerical solution to the Boltzmann transport equation for use in device simulation	389
S. H. LO and C. P. LEE: Two-dimensional simulation of the drain-current transient effect in GaAs MESFETs.....	397
J. S. WU, C. Y. CHANG, C. P. LEE, K. H. CHANG and D. G. LIU: Electrical characteristics of double-barrier resonant tunneling structures with different electrode doping concentrations .....	403
Y. H. WANG, M. P. HOUNG and H. C. WEI: Observation of <i>N</i> - and <i>S</i> -shaped negative differential resistance behavior in AlGaAs/GaAs resonant tunneling structure .....	413
<i>Notes</i>	
QING-AN HUANG, BAO-HUA SHI, YING GU and DE-SHENG ZHANG: A simple <i>C-V</i> method for measuring minority lifetime of nonuniformly doped MOS structures .....	419
J. M. McGREGOR, T. MANKU and D. J. ROULSTON: Bipolar transistor base bandgap grading for minimum delay .....	421
J. M. XU, M. SWEENEY and W. T. MOORE: Characteristics of displaced PN- and heterojunctions .....	423
Y. K. SU, N. Y. LI and F. S. JUANG: Electrical properties of Pd/ <i>n</i> -GaSb Schottky contacts .....	426
<i>Announcement of Special Issue on Measurements.....</i>	
<b>I</b>	
SOFTWARE SURVEY SECTION	III
<b>NUMBER 5</b>	
J. NEUDECKER, H. HORNUNG, K. P. FROHMADE and D. SEITZER: Three-dimensional numerical modeling of Hall plates in inhomogeneous magnetic fields .....	429
W. W. WONG, J. J. LIOU and J. PRENTICE: A unified four-terminal JFET static model for circuit simulation.....	437

S. C. JAIN, T. J. GOSLING, D. H. J. TOTTERDELL, J. POORTMANS, R. P. MERTENS and R. VAN OVERSTRAETEN: The combined effects of strain and heavy doping on the indirect band gap of Si and $Ge_xSi_{1-x}$ alloys.....	445
S. C. JAIN and D. J. ROULSTON: A simple expression for band gap narrowing (BGN) in heavily doped Si, Ge, GaAs and $Ge_xSi_{1-x}$ strained layers.....	453
DAVID C. YU and IBRAHIM M. ABDEL-MOTALEB: An analytical model for current-voltage characteristics of quantum-well heterojunction field-effect transistors .....	467
BYUNG R. RYUM and IBRAHIM M. ABDEL-MOTALEB: Modeling of junction capacitances of graded base heterojunction bipolar transistors .....	481
HUYNH VAN CONG: New series representation of Fermi-Dirac integral $F_j(-\infty < a \leq \infty)$ for arbitrary $j > -1$ , and its effect on $F_j(a \geq 0_+)$ for integer $j \geq 0$ .....	489
CONSTANTIN BULUCEA and REBECCA ROSSEN: Trench DMOS transistor technology for high-current (100 A range) switching .....	493
K. KASSMI, J. L. PROM and G. SARRABAYROUSE: Electrical conduction in MOS capacitors with an ultra-thin oxide layer.....	509
R. ANHOLT: Dependence of GaAs MESFET fringe capacitances on fabrication technologies.....	515
R. M. RANADE, S. S. ANG, W. D. BROWN and R. K. ULRICH: Current-voltage-time characteristics of aluminum/polyimide/ $p^+$ -silicon structures .....	521
K. HATTORI and Y. TORII: A new method to fabricate Au/ $n$ -type InP Schottky contacts with an interfacial layer.....	527
<i>Note</i>	
J. S. YUAN and J. J. LIOU: Modeling of temperature-dependent avalanche currents in advanced bipolar transistors .....	533
<i>Announcement of Special Issue on Measurements</i>	
SOFTWARE SURVEY SECTION	II

## NUMBER 6

<i>Announcement of Special Issue on Measurements</i> .....	i
SUMAN B. IYER, VIKRAM KUMAR and K. S. HARSHAVARDHAN: High-frequency capacitance-voltage characteristics of amorphous (undoped)/crystalline silicon heterostructures	535
H. SHIN, G. M. YERIC, A. F. TASCH and C. M. MAZIAR: Physically-based models for effective mobility and local-field mobility of electrons in MOS inversion layers .....	545
F. CALDARARU, M. CALDARARU, S. NAN, D. NICOLAESCU and S. VASILE: Analytical two-dimensional model of solar cell current-voltage characteristics.....	553
M. V. BURTYKA, O. V. GLUKHOV and V. M. YAKOVENKO: Interaction of hot electrons with two-dimensional gas in semiconductor superlattices.....	559

A. OUACHA and M. WILLANDER: InP/InGaAs DHBTs for high frequency and high speed ECL circuits using a submicron-model .....	565
R. C. MARTIN and N. M. GHONIEM: A hybrid finite-element/particle-simulation method for the analysis of semiconductor transients and bipolar transport .....	573
B. S. POLSKY and J. S. RIMSHANS: Calculation of effective band gap narrowing in heavily-doped and compensated silicon .....	583
HANS HJELMGREN, ERIK KOLMBERG and LENNART LUNDGREN: Numerical simulations of the capacitance of forward-biased Schottky-diodes .....	587
G. PETÓ and T. ANDERSSON: Preparation of a Pt-GaAs Schottky contact by ion plating .....	591
MAMORU UGAJIN and YOSHIHITO AMEMIYA: The base-collector heterojunction effect in SiGe-base bipolar transistors .....	593
RICHARD BOOTH, SUKYOON YOON, MARVIN WHITE and DONALD YOUNG: Comparison of symmetrical and asymmetrical hot-electron injection in MOS transistors .....	599
S. T. HSU, I. H. KALISH, K. SUZUKI, R. KAWABATA and H. SHIBAYAMA: Physical mechanism of the "reverse short-channel effect" in MOS transistors .....	605
P. OLIVO, Z. A. WEINBERG, K. J. STEIN and D. S. WEN: Charge trapping and retention in ultra-thin oxide-nitride-oxide structures .....	609
S. KARMALKAR and K. N. BHAT: The remote-base transistor biasing scheme of a thyristor for three-terminal measurement of base parameters .....	613
T. J. BORDELON, X.-L. WANG, C. M. MAZIAR and A. F. TASCH: An evaluation of energy transport models for silicon device simulation .....	617
KATSUFUMI HASHIMOTO, RYODO KAWASAKI and HITOSHI ABE: Analysis of the high-frequency performance of high- $T_c$ superconducting-base hot-electron transistors .....	629
RUEY-KUEN PERNG, POLE-SHANG LIN and CHING-YUAN WU: A new methodology for developing a fast two-dimensional MOSFET device simulator .....	635
W. C. HSU, W. LIN and C. WANG: A quantum well $\delta$ -doped GaAs FET fabricated by low-pressure metal organic chemical vapor deposition .....	649
U. KÖNIG, M. KUISL and F. SCHÄFFLER: Stacked Si-bipolar diodes with lateral polycrystalline inter-connections grown by two-step MBE .....	655
<i>Notes</i>	
I. YU. LAPUSHKIN, V. I. RYZHII and G. YU. KHRENOV: Selfconsistent Monte Carlo comparison of submicrometer GaAs and Si MESFETs .....	663
P. K. CHAKRABORTY: A study of the effect of interband tunneling current on the $R_0 A$ product of $Hg_{1-x}Cd_xTe$ photodiodes .....	665
A. PELED, Y. ZLOOF, J. FARHADYAN and A. M. PELED: A study of the temperature dependence of NiCr thin film resistors .....	667
<i>Announcements</i> .....	
	I

SOFTWARE SURVEY SECTION: DAVINCI; TMA PISCES-2B; TMA SUPREM 3;  
TSUPREM-4; DEPICT-2; TOPEX; RB.....

III

## NUMBER 7

<i>Announcement of Special Issue on Measurements.....</i>	i
S. D. BROTHERTON, J. R. AYRES and N. D. YOUNG: Characterisation of low temperature poly-Si thin film transistors .....	671
S. KARMALKAR and K. N. BHAT: The shifted-rectangle approximation for simplifying the analysis of ion-implanted MOSFETs and MESFETs .....	681
R. ANHOLT: Investigation of GaAs MESFET equivalent circuits using transient current-continuity equation solutions.....	693
JAMES R. PARKER and DAVID J. ROULSTON: Bipolar transistor design for improved low current performance.....	701
N. C. DAS, R. NARAYANAN and K. P. RAGHUNATH: Optimization of process parameters for fast-switching thyristors .....	709
WEN-CHAU LIU and WEN-SHIUNG LOUR: AlGaAs/GaAs heterostructure-emitter bipolar transistor (HEBT) prepared by molecular beam epitaxy .....	717
L. GAUL, S. HUBER, J. FREYER and M. CLAASSEN: Determination of tunnel-generation rate from GaAs pin-structures .....	723
P. P. SAHAY, M. SHAMSUDDIN and R. S. SRIVASTAVA: Effects of hydrogenation on the electrical characteristics of Ni/n-Si(111) Schottky diodes.....	727
G. SCHWEIGER, K. FRICKE, K. MENCKE and H. L. HARTNAGEL: A GaAs integrated differential amplifier for operation up to 300°C.....	731
ZONGXIN WANG and YOULING CHU: Use of microwave photoconductivity to measure semiconductor properties .....	735
A. G. MILNES and C. L. BAUER: Voids associated with electromigration in metal lines .....	741
J.-I. CHYI, D. MUI, J. CHEN and H. MORKOÇ: Electrical characteristics of InSb-GaAs heterojunctions .....	747
F. CURATELLI and G. M. BISIO: Characterization of the thermal behaviour in ICs .....	751
KUEI-SHU CHANG-LIAO and JENN-GWO HWU: Improvement of hot-carrier resistance and radiation hardness of nMOSFETs by irradiation-then-anneal treatments.....	761
A. J. CHOKSI, R. LAL and A. N. CHANDORKAR: Electrical properties of silicon dioxide films grown by inductively coupled R.F. plasma anodization .....	765
ERMANNO DI ZITTI and GIACOMO M. BISIO: Determination of silicon power diode recombination parameters by combining open circuit voltage decay and storage time-reverse recovery data .....	771
Y. TORII and K. HATTORI: On the electrical properties of the AlIn <sub>x</sub> P <sub>y</sub> O <sub>z</sub> -InP interface	781

SHIH-CHIH CHEN, Y. K. SU and C. Z. LEE: The fabrication and study of InGaAsP/InP double-collector heterojunction bipolar transistors.....	787
<i>Notes</i>	
S. S. DE, A. K. GHOSH, T. K. PATTANAYAK, J. C. HALDAR, P. K. PAL, A. CHATTERJI, A. LAHIRI and A. HAJRA: A study of heat generation processes in semiconductor devices	795
S. A. WALTERS, AHSAN M. ABBAS, R. DEWSBERRY and R. H. WILLIAMS: Electrical characterization of metal/ <i>n</i> -gallium antimonide (110) interfaces.....	798
SOFTWARE SURVEY SECTION: BISIM .....	I
NUMBER 8	
FERNANDA IRRERA and FABRIZIO PALMA: A new "double carrier" analytical model of carriers transport in <i>p-i-n</i> amorphous silicon solar cells .....	801
M. PUIG VIDAL, M. BAFLEUR, J. BUZO and G. SARRABAYROUSE: A bipolar photodetector compatible with standard CMOS technology .....	809
Y. K. SU, F. S. JUANG, N. Y. LI, K. J. GAN and T. S. WU: Heteroepitaxial growth of gallium antimonide on GaAs by low pressure MOVPE .....	815
O. W. PURBO and C. R. SELVAKUMAR: Simultaneous extraction of hole barrier height and interfacial oxide thickness of polysilicon-emitter bipolar transistors.....	821
W. DE BOSSCHER, R. L. VAN MEIRHAEGHE, W. H. LAFLÈRE and F. CARDON: Titanium silicide/ <i>p</i> -Si Schottky barriers formed by rapid thermal processing in nitrogen .....	827
F. C. RONG, W. R. BUCHWALD, E. H. POINDEXTER, W. L. WARREN and D. J. KEEBLE: Spin-dependent Shockley-Read recombination of electrons and holes in indirect-bandgap semiconductor <i>p-n</i> junction diodes.....	835
SHOEI-CHYUAN LU, MENG-CHYI WU, CHONG-YI LEE and YING-CHUAN YANG: Liquid-phase epitaxial growth of InGaP for red electroluminescent devices.....	843
RAFAEL RIOS, RONALD K. SMELTZER, ROBERT AMANTEA and ALLEN ROTHWART: A three-dimensional device simulator for radiation-hard MOS-SOS transistors .....	853
T. GRAVE, J. WILLER, G. LEFRANC, L. SCHLEICHER, N. ARNOLD, H. J. SIWERIS and D. RISTOW: A self-aligned GaAs MESFET process with WSi gates for analog and digital applications .....	861
G. COUTURIER, H. RICARD, A. THABTI, A. S. BARRIÈRE and H. ISHIWARA: Investigation of the CaF <sub>2</sub> / <i>p</i> -type Si(100) interface by conductance and deep level transient spectroscopy	867
ACHYUT KUMAR DUTTA and YOSHINORI HATANAKA: An analysis for the assessment of position distortion for fast excitation in two-dimensional position-sensitive devices (PSDs) .....	875
G. BEISTER, J. MAEGE, G. RICHTER and H. TREPTOW: Interface reactions in LPE grown InGaAsP/InP ridge waveguide laser diodes during aging?.....	883
G. S. VIRDY, C. M. S. RAUTHAN, B. C. PATHAK and W. S. KHOKLE: Properties of the fluorine-implanted Si-SiO <sub>2</sub> system.....	889

MYUNGSUK JO, HANJIN CHO and DOROTHEA E. BURK: A charge-based small-signal model for the bipolar junction transistor .....	893
Y. PAN: A microscopic-stochastic model for minority carrier transport in small bipolar transistors .....	903
WIYI YANG and ZEYNEP ÇELIK-BUTLER: A model for electromigration and low-frequency noise in thin metal films .....	911
<i>Notes</i>	
MUNECAZU TACANO: A new approach to the Hooge noise parameter for $1/f$ noise in semiconductors .....	917
TAKASHI MORIE: A "ballistic" analog memory device for neural network implementation	919
WEN-CHAU LIU and WEN-SHIUNG LOUR: Temperature dependence of double negative-differential resistance of a superlattice-emitter transistor .....	921
<i>Letters to the Editors</i>	
V. AXELRAD, S. ECKART and S. BAMBERG: Comments on the paper "Coupling capacitances in VLSI circuits calculated by multi-dimensional discrete Fourier-series" .....	925
F. S. LAI: Response to "Comments on the paper 'Coupling capacitances in VLSI circuits calculated by multi-dimensional discrete Fourier-series'" .....	926
J. MCGREGOR: Comment on "A study of base built-in field effects on the steady-state current gain of heterojunction bipolar transistors" .....	927
J. J. LIOU: Response to "Comment on 'A study of base built-in field effects on the steady-state current gain of heterojunction bipolar transistors'" .....	928
CORRIGENDUM.....	931
<i>Call for Papers</i> .....	I
SOFTWARE SURVEY SECTION: SIDIF and TRAN2C .....	III

## NUMBER 9

D. BAUZA, P. MORFOULI and G. PANANAKAKIS: Detection of interface and volume traps in very thin oxide MOS structures using DLTS, quasi-static and conductance measurements .....	933
BERTIL SIGFRIDSSON: A new approach to the current-voltage characteristics of a MOS-transistor .....	937
QING ZHONG LIU: Determination of maximum frequency for unity power transfer ratio of HEMTs and MESFETs for high frequency applications .....	945
J. MIZSEI: Surface potential transients of ultrathin $\text{SiO}_2$ -Si structures.....	951
AKIO SASAKI and PETER N. ROBSON: Carrier transport processes in $p-n$ junction layers with a distribution of trap levels.....	959

A. D. SADOVNIKOV: One-dimensional modeling of high concentration boron diffusion in polysilicon-silicon structures.....	969
R. J. FRONEN and F. N. HOOGE: $1/f$ Noise in a $p-i-n$ diode and in a diode laser below threshold.....	977
Q. HUANG, G. A. J. AMARATUNGA, E. M. SANKARA NARAYANAN and W. I. MILNE: Simulation of reverse breakdown in planar $P-N$ junctions .....	983
EDWIN C. KAN, UMBERTO RAVAIOLI and THOMAS KERKHOVEN: Calculation of velocity overshoot in submicron devices using an augmented drift-diffusion model .....	995
R. ALCUBILLA and J. PONS: The impurity dose, a useful parameter for emitter design	1001
A. SANDERS and M. KUNST: Characterization of silicon wafers by transient microwave photoconductivity measurements.....	1007
<i>Notes</i>	
S. SARKAR, R. K. SHARMA and V. K. TANDON: Gate voltage control of surface potential in inversion mode InGaAsP MISFETs.....	1017
J. M. McGREGOR, S. C. JAIN and D. J. ROULSTON: On the optimum Ge fraction in $Si/Si_{1-x}Ge_x$ heterojunction bipolar transistors.....	1019
SOFTWARE SURVEY SECTION .....	I

## NUMBER 10

A. B. JOSHI, G. Q. LO and D. L. KWONG: A comparison of radiation and hot-electron-induced damages in MOS capacitors with rapid thermally nitrided thin-gate oxides	1023
M. B. PATIL and U. RAVAIOLI: Transient simulation of semiconductor devices using the Monte-Carlo method .....	1029
HONGCHIN LIN and NEIL GOLDSMAN: An efficient solution of the Boltzmann transport equation which includes the Pauli exclusion principle.....	1035
MUNECAZU TACANO and YOSHINOBU SUGIYAMA: Comparison of $1/f$ noise of AlGaAs/GaAs HEMTs and GaAs MESFETs.....	1049
VINCENT W. L. CHIN and T. L. TANSLEY: Alloy scattering and lattice strain effects on the electron mobility in $In_{1-x}Ga_xAs$ .....	1055
Z. X. YAN and M. J. DEEN: Comparison of drain-induced barrier-lowering in short-channel NMOS and PMOS devices at 77 K.....	1065
M. PATEL, P. RATNAM and C. A. T. SALAMA: A novel body contact for SIMOX based SOI MOSFETs .....	1071
D. MUI, S. STRITE and H. MORKOÇ: On the barrier lowering and ideality factor of ideal Al/GaAs Schottky diodes .....	1077
ANIRBAN ROY and MARVIN H. WHITE: Determination of the trapped charge distribution in scaled silicon nitride MONOS nonvolatile memory devices by tunneling spectroscopy	1083

## Contents

xiii

A. J. FRANKLIN and V. M. DWYER: ESD degradation in GaAs MES structures.....	1091
J. S. YUAN: Modeling the current-dependent $f_T$ for AlGaAs/GaAs heterojunction bipolar transistor design .....	1103
M. M. SHAHIDUL HASSAN, GOLAM RASUL CHOWDHURY and M. ZAHIRUL ALAM: Break-down voltage of high-voltage bipolar transistors .....	1109
T. C. LU and J. B. KUO: Explicit analytical expressions for intrinsic base resistance and cutoff frequency of bipolar transistors biased at high injection.....	1113
WILLIAM U. LIU, DAMIAN COSTA and JAMES S. HARRIS JR: Theoretical comparison of base bulk recombination current and surface recombination current of a mesa AlGaAs/GaAs heterojunction bipolar transistor .....	1119
BYUNG R. RYUM and IBRAHIM M. ABDEL-MOTALEB: An analytical all-injection charge-based model for graded-base HBTs .....	1125
M. KERBER and U. SCHWALKE: Equilibrium controlled static $C-V$ measurement.....	1141
N. T. BAGRAEV, L. E. KLYACHKIN, A. M. MALYARENKO and V. L. SUKHANOV: Quantum-size $p-n$ junctions in silicon.....	1149
G. HALKIAS, A. GEORGAKILAS, J. LOIC MOURRAIN and A. CHRISTOU: Optimization of GaAs-on-silicon MESFET structures.....	1157
ZHU DE GUANG: Multi-ring structures for contact resistance measurements on metal-thin-layer semiconductors.....	1165
E. GORANOVA, D. SIMEONOV and T. BALABANSKA: A pragmatic view of inverse-T-gate lightly-doped-drain transistors .....	1169
D. K. SIVRIDIS and G. PANANAKAKIS: Influence of ITO deposition technology on the performance of SIS (ITO-SiO <sub>2</sub> -Si) solar cells .....	1175
<i>Notes</i>	
DAVID C. YU and IBRAHIM M. ABDEL-MOTALEB: Estimation of the 2DEG layer location in quantum-well structures .....	1179
B. B. PAL and S. N. CHATTOPADHYAY: A modified $I-V$ relation for ion-implanted Si OFPFETs.....	1183
<i>Letter to the Editor</i>	
P. CHAKRABARTI: Comment on "Optically controlled characteristics of an ion-implanted silicon MESFET" by V. K. Singh <i>et al.</i> .....	1185
<b>SOFTWARE SURVEY SECTION: PROMEA.....</b>	I

**NUMBER 11***Obituary*

C. M. VAN VLIET and P. H. HANDEL: Aldert van der Ziel, 1910-1991.....	i
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VINCENT W. L. CHIN: Calculation of carrier concentrations and Fermi energies in intrinsic and donor-doped In <sub>1-x</sub> Ga <sub>x</sub> As .....	1187
--	------

SHENG-LYANG JANG: Effect of avalanche-induced light emission on the multiplication factor in bipolar junction transistors .....	1191
YASUSHIRO NISHIOKA, TOSHIHIKO ITOGA, KIYONORI OHYU and TSO-PING MA: Improving hot-electron hardness of narrow channel MOSFETs by fluorine implantation.....	1197
ANDREW K. JONSCHER and NAJEEB SIDDIQUI: Decay of photovoltage of junction diodes	1201
CHRISTOPHER J. HEGARTY, JACK C. LEE and CHENMING HU: Enhanced conductivity and breakdown of oxides grown on heavily implanted substrates.....	1207
B. DIERICKX, E. SIMOEN and G. DECLERCK: Small-signal a.c. impedance of an Si resistor at liquid-helium temperatures .....	1215
F. S. JUANG, Y. K. SU and T. S. WU: Relationship between solid and vapor phase compositions for $In_x Ga_{1-x} Sb$ epilayers grown by MOCVD .....	1225
L. ZAMBOV, I. NEDEV and Y. YANAKIEV: Characterization of arsenophosphosilicate glass films for VLSI applications—Part I. Composition and physicochemical properties .....	1231
L. ZAMBOV, Y. YANAKIEV, I. NEDEV and M. ANASTASSOVA: Characterization of arsenophosphosilicate glass films for VLSI applications—Part II. Step coverage and planarization	1239
H. SCHINK and R. D. SCHNELL: Sub-micron self-aligned-gate HEMT for microwave applications .....	1247
HUNSUK KIM, H. S. MIN, T. W. TANG and Y. J. PARK: An extended proof of the Ramo-Shockley theorem .....	1251
G. BEISTER: Evaluation of electroluminescence current and voltage dependence in ridge waveguide laser structures .....	1255
J. CHEN, G. B. GAO, M. S. ÜNLÜ and H. MORKOÇ: High-frequency output characteristics of AlGaAs/GaAs heterojunction bipolar transistors for large-signal applications .....	1263
HANS P. ZAPPE and CHENMING HU: A $p-v-n$ diode model for CMOS latchup.....	1275
D. SHULMAN and L. YOUNG: a.c. Sidegating in GaAs MESFETs.....	1281
FEI LUO, GEROLD W. NEUDECK and SHENGWEN LUAN: Simulation of the turn-on transient behavior of amorphous-silicon thin-film transistors .....	1289
TOMASZ SKOTNICKI, GÉRARD MERCKEL and ABDERRAHMAN MERRACHI: New physical model of multiplication-induced breakdown in MOSFETs.....	1297
<i>Note</i>	
HANS J. HOFFMANN: Comments on “Novel Hall effect spectroscopy of impurity levels in semiconductors” .....	1309
<i>Letter to the Editor</i>	
B. KLEVELAND, S. CRISTOLOVEANU and J. SICART: Reply to “Comments on ‘Novel Hall effect spectroscopy of impurity levels in semiconductors’ ” .....	1311
SOFTWARE SURVEY SECTION .....	I

## NUMBER 12

CONSTANTIN BULUCEA: Breakdown voltage of diffused epitaxial junctions.....	1313
R. J. FERRO, R. G. WILSON, J. F. JENSEN, D. B. RENSCH, W. E. STANCHINA, R. A. METZGER, M. W. PIERCE, T. V. KARGODORIAN and Y. K. ALLEN: Emitter injection and collector current ideality in abrupt heterojunction AlInAs/GaInAs HBTs.....	1319
OON-SIM ANG and D. L. PULFREY: The cut-off frequency of base-graded and junction-graded $\text{Al}_x\text{Ga}_{1-x}\text{As}$ DHBTs .....	1325
MASAHIRO KUME, HIROKI NAITO, JUN OHYA, ISSEY OHTA, HIROKAZU SHIMIZU, MASARU KAZUMURA and IWAO TERAMOTO: A high-power short-pulse laser diode for waveguide second harmonic generation .....	1329
P. DEGOND and F. J. MUSTIELES: A deterministic particle method for the kinetic model of semiconductors: the homogeneous field model .....	1335
J. S. YUAN: High-performance $P-n-p$ heterojunction bipolar transistor design.....	1347
ENRICO M. A. RAVANELLI and CHENMING HU: Device-circuit mixed simulation of VDMOS charge transients .....	1353
F. BALESTRA, J. BRINI and G. GHIBAUDO: Analytical modelling of ultra-thin film depletion-mode SOI MOSFETs .....	1361
D. DONOVAL, M. BARUS and M. ZDIMAL: Analysis of $I-V$ measurements on PtSi-Si Schottky structures in a wide temperature range .....	1365
C. PAPADAS, P. MORFOULI, G. GHIBAUDO and G. PANANAKAKIS: Analysis of the trapping characteristics of silicon dioxide after Fowler-Nordheim degradation .....	1375
Z. P. ZUO and M. J. DEEN: Parallel parasitic conductance in narrow-width MOSFETs .....	1381
SHENG-LYANG JANG and KUANG-LANG CHERN: Hot-carrier-induced photovoltage in silicon bipolar junction transistors .....	1387
KAZUSHIGE HORIO, AKIRA OGUCHI and HISAYOSHI YANAI: Two-dimensional analysis of high injection effects in AlGaAs/GaAs HBTs with semi-insulating external collectors .....	1393
I. NEDEV, A. ASENOV and E. STEFANOV: Experimental study and modeling of band-to-band tunneling leakage current in thin-oxide MOSFETs.....	1401
A. PACCAGNELLA and A. CALLEGARI: GaAs Surface plasma treatments for Schottky contacts .....	1409
SOON-WON KANG and JOSEPH YA-MIN LEE: Low-temperature degradation studies of AlGaAs/GaAs modulation-doped field effect transistors.....	1415
JIN-HO CHOI, HO-JUN SONG, KANG-DEOG SUH, JAE-WOO PARK and CHOONG-KI KIM: A self-consistent analytic threshold voltage model for thin SOI $n$ -channel MOSFETs .....	1421
Z. ABID, A. GOPINATH, B. MESKOOB and S. PRASAD: GaAs MESFETs with channel-doping variations.....	1427

SU-JUN LIANG and JIN-SHENG LUO: Closed-form analytical solutions for avalanche breakdown quantities in high-voltage diffused junctions.....	1433
M. BACIOCCHI, A. D'AMICO and C. M. VAN VLIET: 1/f Noise in amorphous silicon and hydrogenated amorphous silicon thin films .....	1439
JING-JENN LIN and JENN-Gwo HWU: Effect of oxide resistance on the characterization of interface trap density in MOS structures.....	1449
<i>Notes</i>	
P. CHATTOPADHYAY and B. RAYCHAUDHURI: A modified conductance technique for the determination of series resistance of MIS tunnel diodes.....	1455
WEN-CHAU LIU, YEONG-SHYANG LEE and DER-FENG GUO: A new resonant-tunneling bipolar transistor with triple-well emitter structure .....	1457
J. S. YUAN, C. S. YEH and B. GADEPALLY: Effects of using minority hole mobility in $n^+$ emitter on bipolar device modeling.....	1460
R. K. CHANANA, R. DWIVEDI and S. K. SRIVASTAVA: Study of electrical properties of $\text{SiO}_2$ grown over plasma-cleaned silicon surfaces .....	1463
S. M. FAZLUL KABIR, M. R. KHAN and M. A. ALAM: Application of quantum mechanical wave impedance in the solution of Schrodinger's equation in quantum wells .....	1466
RUTGER C. WIJBURG and FREDERIK W. RAGAY: On the recombination in the quasi-neutral base of polysilicon emitter transistors with interfacial oxides.....	1469
<i>Letters to the Editors</i>	
P. U. CALZOLARI, S. GRAFFI, A. M. MAZZONE and C. MORANDI: Comments on "An improved model of 'generation width' for pulsed MOS $C-t$ transient analysis" .....	1473
XIUMIAO ZHANG: Reply to "Comments on 'An improved model of 'generation width' for pulsed MOS $C-t$ transient analysis'" .....	1474
SOFTWARE SURVEY SECTION .....	I

